

WHAT IS CLAIMED IS:

36A 1. A manufacturing method of a non-woven fabric comprising the steps of:
forming a fibrous web on an outer peripheral surface of
5 a wire net transporting belt circulating;
forming a non-woven fabric by applying water jets to said fibrous web on the outer peripheral surface of said wire net transporting belt for entangling fibers; and
transporting said non-woven fabric to be opposed to a
10 forming body having a predetermined pattern, and applying water jets to said non-woven fabric from the side of an inner peripheral surface of said wire net transporting belt or another wire net transporting belt following said wire net transporting belt for urging said non-woven fabric onto said forming body
15 for transferring said pattern of said forming body to said non-woven fabric.

2. The manufacturing method of a non-woven fabric as set forth in claim 1, wherein said forming body is a member having
20 a plurality of openings, and a pattern of said openings is transferred to said non-woven fabric.

~~3. The manufacturing method of a non-woven fabric as set forth in claim 1, wherein said forming body is a net, and a
25 pattern of the net is transferred to said non-woven fabric.~~

4. The manufacturing method of a non-woven fabric as set

forth in claim 1, wherein, in said fibrous web forming step, a raw material, in which the fibers are mixed with a liquid, is provided on said wire net transporting belt.

36 5A² 5. The manufacturing method of a non-woven fabric as set forth in claim 1, which further comprises a drying step for drying said non-woven fabric having said pattern transferred thereto.

10 6. A manufacturing method of a non-woven fabric comprising the steps of:

forming a fibrous web on an outer peripheral surface of a wire net transporting belt circulating; and

transporting said fibrous web to be opposed to a forming
15 body having a predetermined pattern, and applying water jets to said fibrous web from the side of an inner peripheral surface of said wire net transporting belt for urging said fibrous web onto said forming body for entangling fibers of said fibrous web for forming a non-woven fabric and in conjunction therewith
20 for transferring said pattern of said forming body to said non-woven fabric.

7. The manufacturing method of a non-woven fabric as set forth in claim 6, wherein said forming body is a member having
25 a plurality of openings, and a pattern of said openings is transferred to said non-woven fabric.

8. The manufacturing method of a non-woven fabric as set forth in claim 6, wherein said forming body is a net, and a pattern of the net is transferred to said non-woven fabric.

5 9. The manufacturing method of a non-woven fabric as set forth in claim 6, wherein, in said fibrous web forming step, a raw material, in which the fibers are mixed with a liquid, is provided on said wire net transporting belt.

10 10. The manufacturing method of a non-woven fabric as set forth in claim 6, which further comprises a drying step for drying said non-woven fabric having said pattern transferred thereto.

15 11. A manufacturing apparatus of a non-woven fabric comprising:

a wire net transporting belt circulating;

20 fiber supply means for supplying material fibers on an outer peripheral surface of said wire net transporting belt and forming a fibrous web on the outer peripheral surface of said wire net transporting belt;

25 first water jet means for applying water jets to said fibrous web from the side of the outer peripheral surface of said wire net transporting belt for entangling the fibers of said fibrous web and forming a non-woven fabric;

a forming body having a predetermined pattern to be opposed to said non-woven fabric on the outer peripheral surface

of said wire net transporting belt; and

second water jet means for applying water jets to said non-woven fabric from the side of an inner peripheral surface of said wire net transporting belt for urging said non-woven
5 fabric onto said forming body for transferring said pattern to said non-woven fabric.

12. The manufacturing apparatus of a non-woven fabric as set forth in claim 11, wherein said forming body is a drum or
10 circulating belt having a plurality of openings on a surface thereof.

13. The manufacturing apparatus of a non-woven fabric as set forth in claim 11, wherein said forming body is a drum having
15 a net on a surface thereof or a circulating belt made of a net.

14. The manufacturing apparatus of a non-woven fabric as set forth in claim 11, wherein said fiber supply means supplies a raw material, in which the fibers are mixed with a liquid,
20 to said wire net transporting belt.

15. The manufacturing apparatus of a non-woven fabric as set forth in claim 11, which further comprises drying means located downstream of said forming body for drying said non-woven fabric
25 having said pattern transferred thereto.

16. A manufacturing apparatus of a non-woven fabric

comprising:

a wire net transporting belt circulating;

fiber supply means for supplying material fibers on an
outer peripheral surface of said wire net transporting belt
5 and forming a fibrous web on the outer peripheral surface of
said wire net transporting belt;

a forming body having a predetermined pattern to be
opposed to said fibrous web on the outer peripheral surface
of said wire net transporting belt; and

10 water jet means for applying water jets to said fibrous
web from the side of an inner peripheral surface of said wire
net transporting belt for urging said fibrous web onto said
forming body for entangling the fibers of said fibrous web for
forming a non-woven fabric and in conjunction therewith for
15 transferring said pattern to said non-woven fabric.

17. The manufacturing apparatus of a non-woven fabric as set
forth in claim 16, wherein said forming body is a drum or
circulating belt having a plurality of openings on a surface
20 thereof.

18. The manufacturing apparatus of a non-woven fabric as set
forth in claim 16, wherein said forming body is a drum having
a net on a surface thereof or a circulating belt made of a net.

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19. The manufacturing apparatus of a non-woven fabric as set
forth in claim 16, wherein said fiber supply means supplies

a raw material, in which the fibers are mixed with a liquid,
to said wire net transporting belt.

20. The manufacturing apparatus of a non-woven fabric as set
5 forth in claim 16, which further comprises drying means located
downstream of said forming body for drying said non-woven fabric
having said pattern transferred thereto.

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